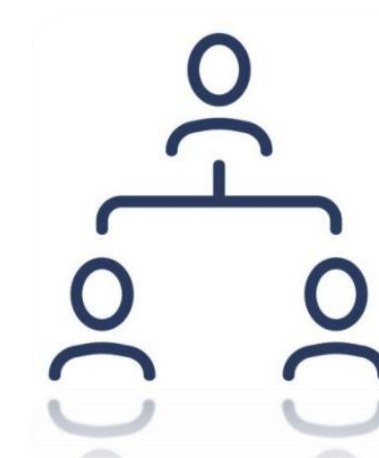


### NATIONAL PROJECTS

By **Ouarda BOUDRA**, young member of the French Society for Soil Mechanics and Geotechnical Engineering (CFMS Jeunes), April 2022



French innovation in geotechnical engineering is introduced in this poster with a summary of a few National Projects, The institute for applied research and experimentation in civil engineering (IREX) is an organization handling the financial and administrative management, monitoring and results dissemination of the National Projects.



	Duration	Board of directors	Partnership	Budget	Main publications
<b>Clouterre I</b>	1986 – 1990	The executive committee was presided by R. SOULAS and the scientific committee with 17 members was presided by François SCHLOSSER. The project management was handled by R. SOULAS, R. ARIS, François SCHLOSSER, and Claude PLUMELLE.	21 members worked on Clouterre I project including 7 public institutions, 3 public and private constructing authority and 11 companies.	3,15 M€	“Soil Nailing Recommendations – 1991 for Designing, Calculating, Constructing and Inspecting Earth Support Systems Using Soil Nailing”
<b>Clouterre II</b>	1995 – 1999	<i>President:</i> François SCHLOSSER (Terrasol) <i>Scientific and technical directors:</i> Roger FRANK (CERMES-ENPC), Claude PLUMELLE (CEBTP and CNAM) and Philippe UNTERREINER (CERMES-ENPC).	19 partners worked on the Clouterre II project including the Federal Highway Administration (FHWA – USA).	1,57 M€	“Addendum 2002 to the CLOUTERRE 1991 recommendations” and 22 internal reports.
<b>FOREVER</b>	1993 – 2001	<i>President:</i> Henri CYNA (honorary president of Cofiroute) <i>Scientific and technical directors:</i> François SCHLOSSER (Terrasol), Roger FRANK (CERMES/ENPC-LCPC)	22 members worked on the FOREVER project including 2 foreign partners : Federal Highway Administration (FHWA – USA) and Canterbury University (New Zealand).	5,09 M€	“Synthesis of the Resultats and Recommendations of the French National Project on Micropiles” and 70 reports and scientific articles.
<b>TUBA</b>	1993 – 1996	<i>President:</i> Jean-Yves LE VEN (Autonomous Port of Bordeaux) <i>Scientific and technical directors:</i> Pierre VERGOBBI, Alain PUECH	24 members worked on the TUBA project.	0,3 M€	The “pratical procedure” was send to the French marine and waterway transport services.
<b>ASIRI</b>	2006 – 2012	<i>President:</i> François SCHLOSSER (consultant expert) <i>Vice President:</i> Olivier COMBARIEU (expert) <i>Scientific and technical director:</i> Bruno SIMON (Terrasol) <i>IREX:</i> Georges CASAR	35 members (companies and universities) worked on the ASIRI project.	2,39 M€	“Recommendations for de design, construction and control of rigid inclusion ground improvements » and 9 PhD thesis.
<b>SOLCYP</b>	2008 – 2017	<i>President:</i> Alain PECKER <i>Scientific and technical director:</i> Alain Puech (FUGRO)	19 members (companies and universities) worked on the SOLCYP project.	4,6 M€	“Design of Piles Under Cyclic Loading: SOLCYP Recommendations”
<b>ASIRI +</b>	2019 – present	<i>President:</i> Bruno SIMON (Terrasol) <i>Scientific and technical directors:</i> Laurent Briançon (INSA Lyon) and Luc Thorel (Université Gustave Eiffel)	43 organizations worked on the ASIRI+ project,	2 M€	

Without forgetting other national projects not introduced in this poster: ERINOH, ARSCOP, etc.

For more information, see the affiliated report *National Projects*.